INFINITI® SERVICE BULLETIN

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Classification:	Reference:	Date:
TF09-002	ITB10-002	January 6, 2010

WHINE NOISE / VIBRATION FROM TRANSFER CASE

APPLIED VEHICLES: 2004 – 2006 G35 Sedan (V35) equipped with AWD
2007 – 2008 G35 Sedan (V36) equipped with AWD
2003 – 2008 FX35/45 (S50) equipped with AWD
2006 – 2010 M35/45 (Y50) equipped with AWD

IF YOU CONFIRM:

A whine noise and/or vibration from the transfer case assembly when:

- Making right or left turns at slow speeds,

  and/or

- Stopped, with steering wheel turned to almost full extent in either direction, and then applying slight acceleration.

ACTION

Replace the electric controlled coupling in the transfer assembly.

NOTE: Do not replace the entire transfer assembly for this incident, should it occur.

IMPORTANT: The purpose of ACTION (above) is to give you a quick idea of the work you will be performing. You MUST closely follow the entire Service Procedure as it contains information that is essential to successfully completing this repair.

Infiniti Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Infiniti dealer to determine if this applies to your vehicle.

PARTS INFORMATION

Description	P/N	Quantity
Electric Controlled Coupling	38760 - CG01A	1
Snap Ring	33138 - 73P23	1
Gasket	11026 - 4N200	1
Self-lock Nut	33143 - C620A	1
* Nissan Matic J	999MP - MTJ00P	As needed up to 3 pints
Anaerobic Liquid Gasket (Permatex® 51813 or equivalent)	** Permatex® 51813 Anaerobic Gasket Maker (Local Source)	As needed

* Nissan Matic J Fluid is available through the Nissan Direct Ship Chemical Care Product Program: Phone 1.800.811.0502, Fax 1.770.218.0148, Website order link via dealer portal www.NNAnet.com or order direct *www.NissanChemicals.com*.

** Permatex® 51813 Anaerobic Gasket Maker is available at many local auto supply stores. To find a local source, visit their website at www.permatex.com

** MSDS for this product is available at www.permatex.com

CAUTION: Use only Genuine NISSAN Matic J. Do not mix with other fluids. Using transmission fluid other than Genuine NISSAN Matic J, or its equivalent, may cause deterioration in drivability and transfer assembly durability, and may damage the transfer case assembly.

CLAIMS INFORMATION

Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
R&I Transfer Assembly	38760 - CG01A	KE01AA	ZE	32	(1)

(1) Reference the current Infiniti Warranty Flat Rate Manual and use the Indicated FRT.

And Combination

DESCRIPTION	OP CODE	FRT
RPL Electric Coupling Assy	KE071A	(1)

(1) Reference the current Infiniti Warranty Flat Rate Manual and use the Indicated FRT.

SERVICE PROCEDURE

1. Remove the transfer assembly from the vehicle and place it in a clean working area.
   - Refer to Section DLN in the Service Manual for removal information.

2. Disassemble the transfer assembly and replace the electric controlled coupling.
   - Refer to Section DLN in the Service Manual for replacement (disassembly and reassembly) information.

The following are helpful tips for coupling replacement:

The new electric coupler does not have the temperature sensor shown in Figure 1.

The temperature sensor is not needed.

Reassemble the transfer case without the sensor.

NOTE: The wire colors for the new coupler connector may be different than the old one.

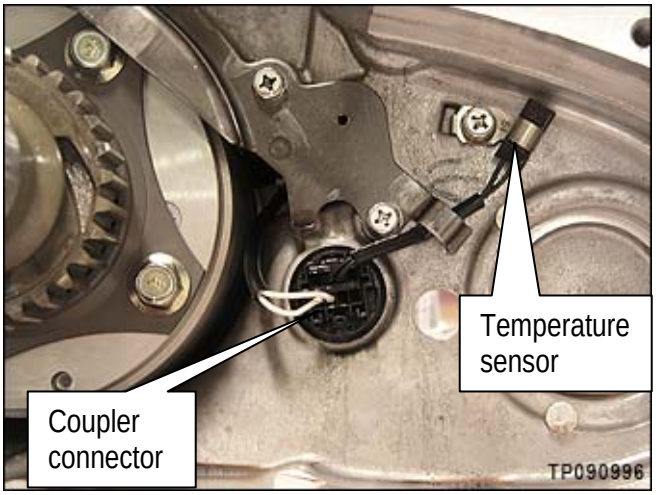

Figure 1

The following do not need to be disassembled / replaced as part of the coupler replacement.

- Front case (main shaft bearing, snap rings, main shaft oil seal, front oil seal, spacer)
- AWD solenoid harness connector O-ring
- Rear case (rear oil seal, snap ring, rear bearing, baffle plate)
- Breather tube

NOTE: Make sure to use Anaerobic Liquid Gasket to reseal (reassemble) the case.

- Permatex® 51813 Anaerobic Gasket Maker or equivalent (Local Source).